ew In Ear Monitoring (IEM)

- Preconfigured, ready-to-use system
- Extremely reliable UHF transmission
- Enormous flexibility due to 1,280 tunable UHF frequencies
- Transmitter and receiver with rugged metal housings
- HDX noise reduction for crystal-clear sound
- User-friendly, menu-assisted operation via LC display
- Low-battery warning
- Extensive range of accessories ensure suitability for a wide variety of applications
- Suitable for multi-channel applications

evolution wireless IEM System – Products

SR 300 IEM stereo transmitter

- 8 frequency presets for direct channel selection
- Stereo/mono selector switch
- Headphone output for monitoring purposes

EK 300 IEM stereo receiver

- 8 frequency presets for direct channel selection
- Safety mode (switchable) protects against level peaks
- FOCUS function for individual audio mix

IE 1 stereo in-ear headphones

- With ear-moulds

The evolution wireless IEM system consists of three main components: At the heart of the system is the SR 300 IEM stereo rackmountable transmitter. The rugged EK 300 IEM stereo pocket receiver has been specially designed for rough stage use – its modern controls, adapted to live stage work, ensure a straight-forward, intuitive operation. Both transmitter and receiver feature a special “lock mode” function to prevent operating errors. With in-ear headphones connected to the receiver, the musician and/or sound engineer can listen to the stereo audio signal received. Transmitter and receiver of the evolution wireless IEM system feature 8 frequency presets for direct channel selection. For multi-channel applications with two to four monitoring links, Sennheiser offers the AC 1 antenna combiner. Another brilliant feature of evolution wireless IEM is the receiver’s FOCUS function, enabling artists to select their very own balance between their voice/instrument and the band. When transmitting such a custom mix, the usual stereo signal is changed to a dual mono signal. The receiver is also fitted with a special safety mode which restricts the in-ear volume to safe levels – if higher volume levels should be required, the safety mode can be switched off.

Accessories

Carrying case for complete systems	CC 1	Cat. No. 04797
Antenna combiner	AC 1	Cat. No. 04791
Antenna mount	AM 1	Cat. No. 04793
19” rack adaptor	GA 1	Cat. No. 04792

For the complete range of accessories available, please refer to the chapter “Accessories”, page 193 f.

System

Technical Data	System – ew IEM
Modulation	wideband FM stereo, MPX
Frequency ranges	A: 518–550, B: 630–662, C: 740–772, D: 790–822, E: 838–870 MHz
Tunable frequencies	1,280
Frequency presets	8
Switching bandwidth	32 MHz
Peak deviation	± 48 kHz (pilot tone dev. ± 5 kHz)
Compander system	HDX
AF frequency response	50–15,000 Hz
Signal-to-noise ratio	> 100 dB (A)
THD (1 kHz)	< 0.9 %
Dimensions system case	380 x 370 x 70 mm
Weight system case	approx. 3 kg
In compliance with	ETS 300422, ETS 300445, CE, FCC

Transmitter

Technical Data	SR 300 IEM
Transmitter type	mains transmitter
RF output power	> 20 mW
Max. input voltage	balanced: + 10 dBu
Headphone output	1/4" (6.3 mm) jack socket, stereo
Level adjustment	0–15 dB
Power supply	10.5–16 V DC
Dimensions	212 x 145 x 38 mm
Weight	approx. 1100 g

Receiver

Technical Data	EK 300 IEM
Receiver type	pocket receiver
Receiver principle	non-diversity
Antenna input	M3
AF outputs	–
Max. output level	–
Headphone output	3.5 mm jack socket (> 100 mW at 32 Ω)
Level adjustment	–
Power supply	9 V PP3 alkaline battery (IEC 6 LR 61)
Operating time	> 4–6 h
Dimensions	110 x 65 x 22 mm
Weigth	approx. 255 g